

Comparisons of Job Characteristics

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Avionics Technicians (49-2091)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Avionics Technicians (49-2091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Computers and Electronics	8.4	14.7	10.9	<< Extensive education and/or training may be required
Engineering and Technology	5.7	13.0	12.2	0 Current knowledge level may be sufficient
Mathematics	9.2	12.3	13.4	0 Current knowledge level may be sufficient
Mechanical	6.8	9.6	19.8	>> Current knowledge level is likely more than sufficient
Production and Processing	6.0	9.5	13.5	>> Current knowledge level is likely more than sufficient
Telecommunications	3.9	6.3	7.3	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 40

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Avionics Technicians (49-2091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	13.9	10.0	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	13.8	10.4	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	13.5	10.1	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.8	11.6	0 Current skill level may be sufficient
Operation Monitoring	6.6	11.5	10.1	< A higher skill level may be required
Equipment Selection	3.3	9.1	7.5	< A higher skill level may be required

Installation	1.7	5.4	3.4	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 89			
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Avionics Technicians (49-2091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	13.0	12.9	0	Current ability level may be sufficient
Information Ordering	9.9	11.8	11.6	0	Current ability level may be sufficient
Finger Dexterity	7.6	11.5	9.2	<	Some improvement in abilities may be required
Visualization	7.5	11.0	10.4	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.2	7.7	<<	Extensive improvement in abilities may be required
Control Precision	6.6	9.5	9.1	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	8.5	9.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 54
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Avionics Technicians (49-2091)		
Work Activities	Exclusivity of Activity	
Read blueprints	10	
Read schematics	34	
Read technical drawings	7	
Understand service or repair manuals	40	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 74
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Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Avionics Technicians (49-2091)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.